



Name: **Dr. D. Santhosh Kumar**

Designation: Assistant Professor

Department: ECE

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Experience (in years): 9 years Teaching: 6 years 7 Months

Research: 7 years Others (if any, specify):

### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D.	2017	Wireless Communication
2	M.Tech.	2008	Communication Engineering
3	B.Tech.	2005	E CE
4	Secondary (10+2)	2000	M.P.C
5	10 <sup>th</sup>	1998	BSE

### 2. Teaching and Learning:

- 2.1. Teaching Interests: Signals and Systems, Probability Theory and Stochastic Processes, Analog Communications, Digital Communications, Cellular and Mobile Communications.
- 2.2. Novel Teaching & Learning Techniques adopted: POGIL, WIT & WIL, Project based Learning
- 2.3. Involvement in curriculum updating / Design: Actively involving in the designing of course structure and R22 of B.Tech ECE and M.Tech (Embedded Systems)

### 3. Co-curricular and Extra-Curricular Activities

- 3.1. Interests and Hobbies: Reading Books, Watching TV
- 3.2. CCA/ECA Organized: Organized various certificate courses like IOT for Students.
- 3.3. CCA/ECA participated: Life member of Indian Society for Technical Education (ISTE)
- 3.4. Counselling and Mentoring Activity: Mentoring students and monitoring their progress in attendance as well in performance.
- 3.5. Committees involved in: NIL

Department level:

- NBA Criteria 6 Incharge
- M.Tech Embedded Systems Coordinator
- Association with Dr J Chattopadhyay (Adjunct Faculty)
- Coordinator for Embedded and IoT Research Group
- Coordinator for B.Tech Mini and Major Projects (Embedded and IoT)
- Chair: Project Review Committee (M.Tech Embedded Systems)
- Lab In-charge: Analog and Digital Communications (ADC), A 207
- File In-charge: Faculty Interaction with outside world.

Institute Level:

- Research and Development Member
- Organised Smart India Hackathon 2022 Software Edition Grand Final at VNR VJIET (Govt.of India Initiative)
- Member of Institute Innovation Counsel (IIC)

### 4. Conference / Workshop / Seminar / Guest Lectures :

4.1. Conducted: 5

- Organised a workshop on “Project Proposal Writing” by Dr Sabat Samrat, R&D Director, HCU on March 24-25, 2023.

- A two day workshop on “Intel college Excellence Program” for faculty in collaboration with FICE Education Pvt. Ltd from 20-21 Feb 2017 and four day workshop (same) for students at VNR VJiet during 22-25 Feb 2017.
- A two day workshop on “PCB designing and fabrication” for B.Tech II yr ECE, Second section students are organized in collaboration with Technotran at VNR VJiet during March 27-28, 2017.
- A Four day workshop on “Intel college Excellence Program” for students in collaboration with FICE Education Pvt. Ltd from 13-16 Oct 2017
- Organised 10 days FDP on “Wireless Communication Technologies for IoT” for faculty in collaboration with E&ICT Academy NIT Patna and IIT Guwahati from 27 uly – 07 August 2020.

4.2.Attended: 2

S.No	Title of the Programme/Course	Duration	Organized by
1	Sensors Technology	6 days	ATAL, AICTE
2	AI:MIMO	6 Days	AICTE
3	Recent Trends in Signal Processing and Its Applications (Workshop)	10 Days	E&ICT, NIT Warangal and VNR VJiet
4	Instructional Design and Delivery System(Training Programme)	6 Days	NITTTR Chennai and VNR VJiet
5	Wireless and Mobile Communication	10 Days	E&ICT, NIT Warangal
6	Embedded Systems and IoT	6 Days	AICTE & GNIST

## 5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:NIL

5.2. Articles/ChapterspublishedinBooks:NIL

5.3. Bookspublishedassingleauthororaseditor:NIL

5.4. Projects Guided:

a) UG:9

b) PG:6

5.5. Research Interests: Wireless Communication and Internet of Things (IoT)

5.6. Ph.D students:

a) Enrolled:NIL

b) Submitted:NIL

c) Awarded:NIL

5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Detection of COVID-19 using Screen Printed Electrode based Biosensor	Journal of Machine and Computing	ISSN: 2788-7669	-	International
2	Classification of	International	ISSN	--	International

	Cardiac Arrhythmia Diseases from Obstructive Sleep Apnea Signals using Decision Tree Classifier	Journal of Computer Information Systems and Industrial Management Applications (JICISIM).	2150-7988		
3	Time-of-arrival and Direction-of-arrival Estimation Techniques for IR-UWB Signals	Journal of Engineering Science and Technology Review 9 (4) (2016) 37-47	ISSN: 1791-2377	Scopus	International
4	Evolution of Animal Behaviour using Machine Vision Techniques	Journal of Scientific Research	-	UGC	International

#### 5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	A Technique to Improve the Lifetime Heterogeneous Wireless Sensor Networks by Removing Redundant Packets	IEEE ICECAA, 2022	International	13-15 October, 2022
2	DOA estimation of IR-UWB signals using coherent signal processing	IEEE CSPA 2014, Malaysia	International	7-9 March 2014
3	Beamforming of ultra wideband signals in an IEEE 802.15.3a channel environment	IEEE ICUWB 2014, Paris	International	1-3 Sept. 2014

#### 5.9. Sponsored research Projects: NIL

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

#### 5.10 Consultancy Projects: NIL

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

#### 6. Awards / Honors received: NIL

#### 7. Motto: In life, no one and nothing will help you until you start helping yourself.